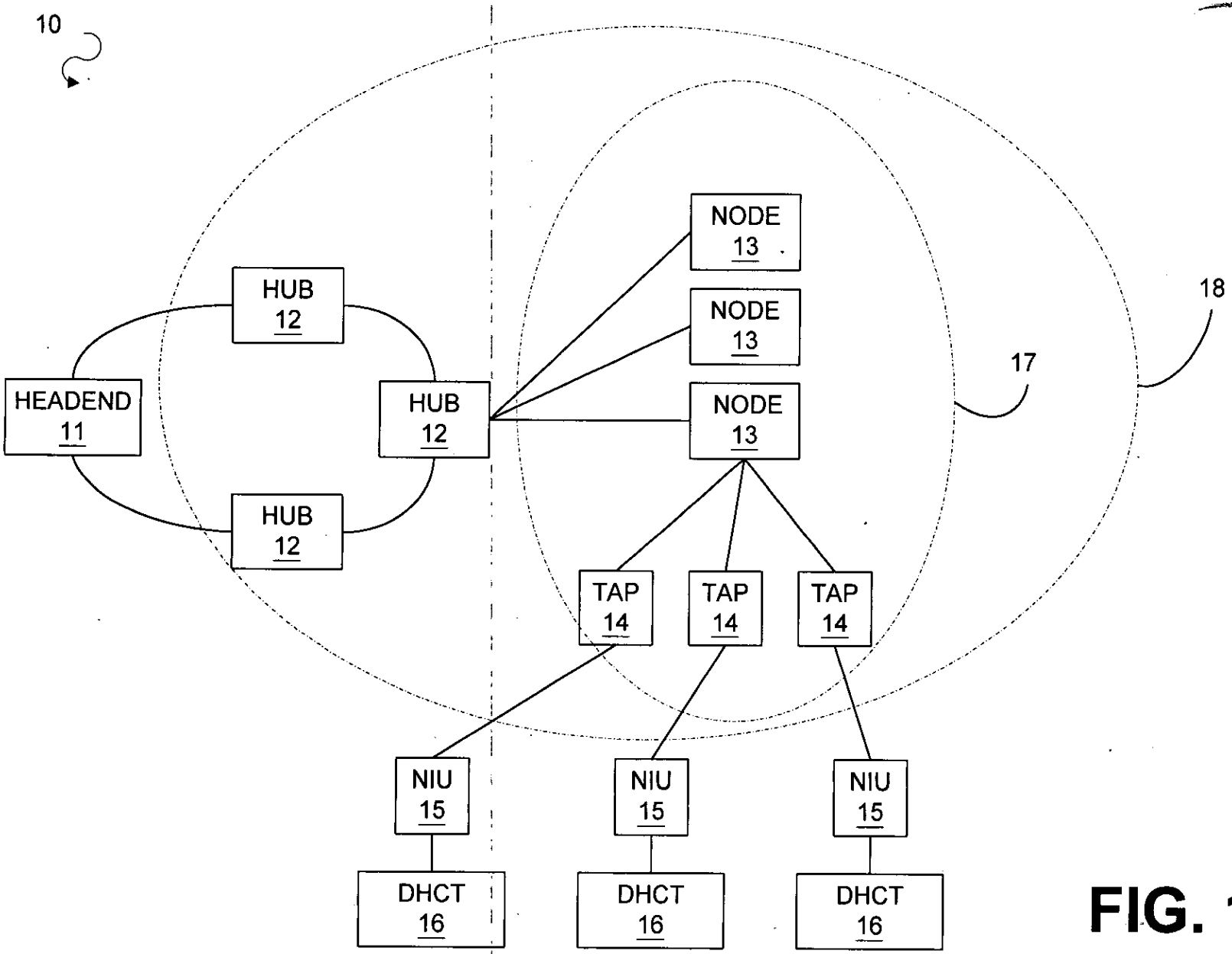
10
HEADEND
11
HUB
12
HUB
12
HUB
12
NODE
13
NODE
13
NODE
13
17
18
TAP
14
TAP
14
TAP
14
NIU
15
NIU
15
NIU
15
DHCT
16
DHCT
16
DHCT
16

FIG. 1

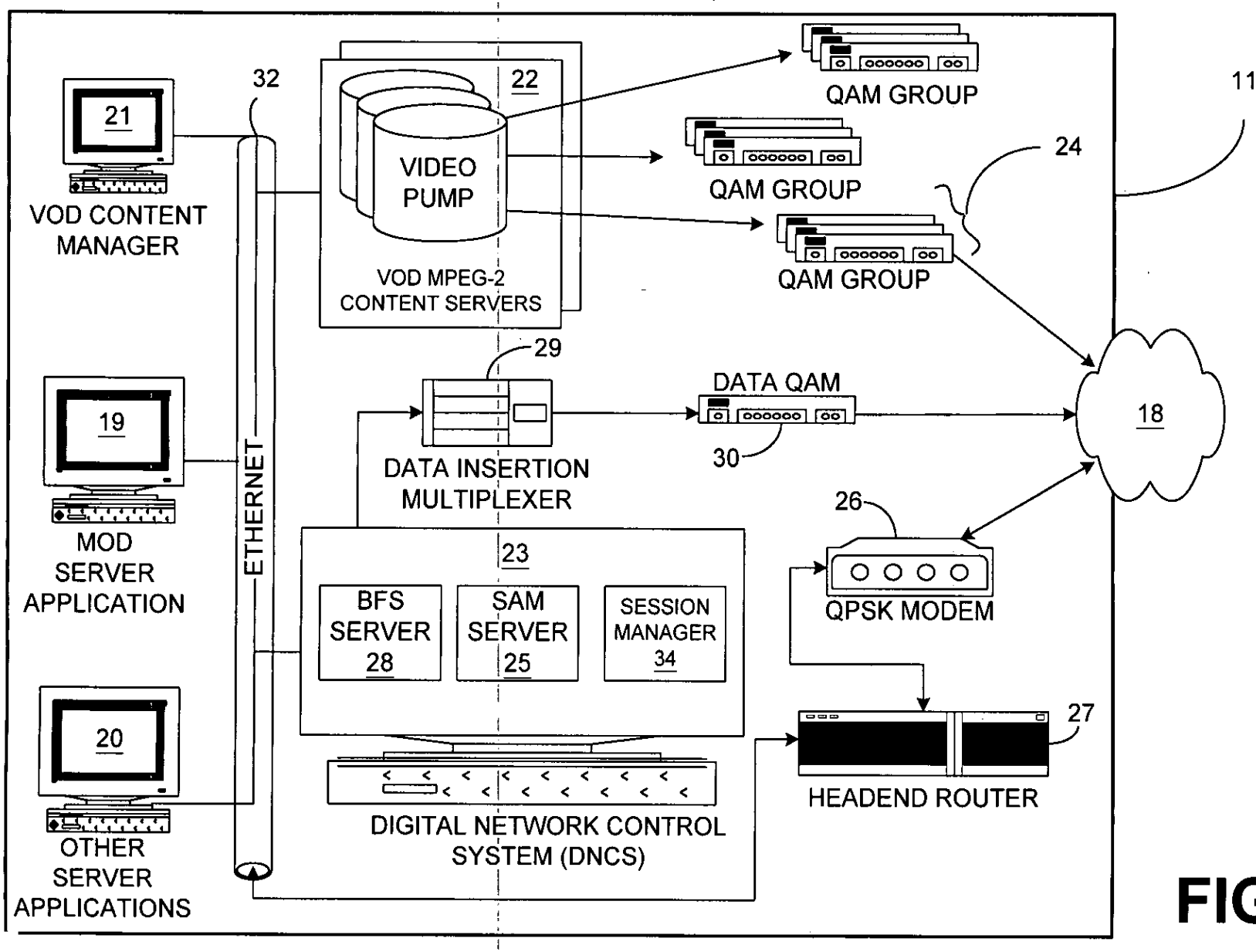
21
VOD CONTENT MANAGER
32
22
VIDEO PUMP
VOD MPEG-2 CONTENT SERVERS
QAM GROUP
QAM GROUP
QAM GROUP
24
11
29
DATA INSERTION MULTIPLEXER
DATA QAM
30
18
19
MOD SERVER APPLICATION
ETHERNET
26
QPSK MODEM
23
BFS SERVER 28
SAM SERVER 25
SESSION MANAGER 34
20
OTHER SERVER APPLICATIONS
DIGITAL NETWORK CONTROL SYSTEM (DNCS)
27
HEADEND ROUTER

FIG. 2

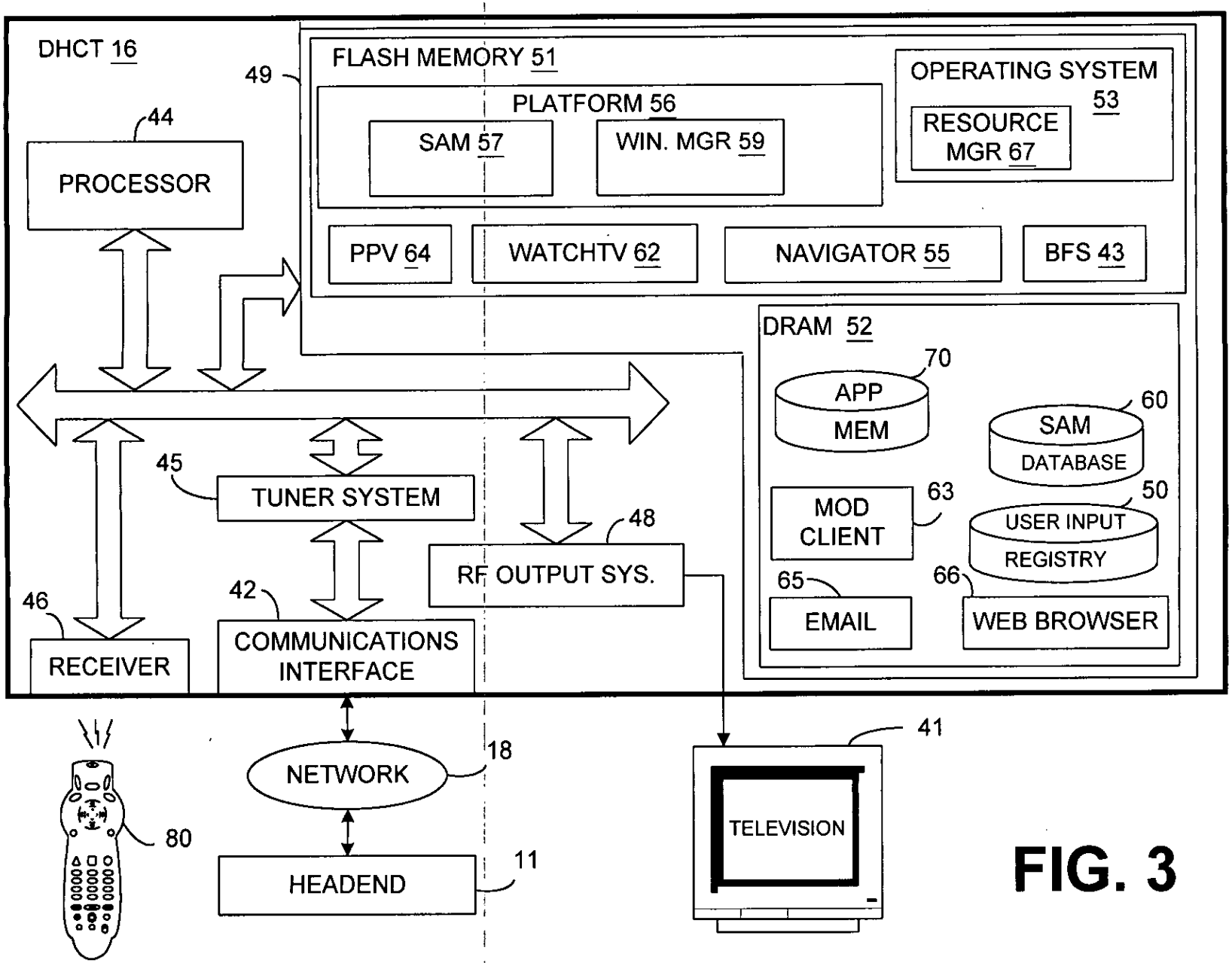
DHCT 16
49
FLASH MEMORY 51
PLATFORM 56
SAM 57
WIN. MGR 59
OPERATING SYSTEM 53
RESOURCE MGR 67
44
PROCESSOR
PPV 64
WATCHTV 62
NAVIGATOR 55
BFS 43
DRAM 52
70
APP MEM
60
SAM DATABASE
45
TUNER SYSTEM
63
MOD CLIENT
50
USER INPUT REGISTRY
48
RF OUTPUT SYS.
65
EMAIL
66
WEB BROWSER
46
RECEIVER
42
COMMUNICATIONS INTERFACE
41
TELEVISION
18
NETWORK
80
11
HEADEND

FIG. 3

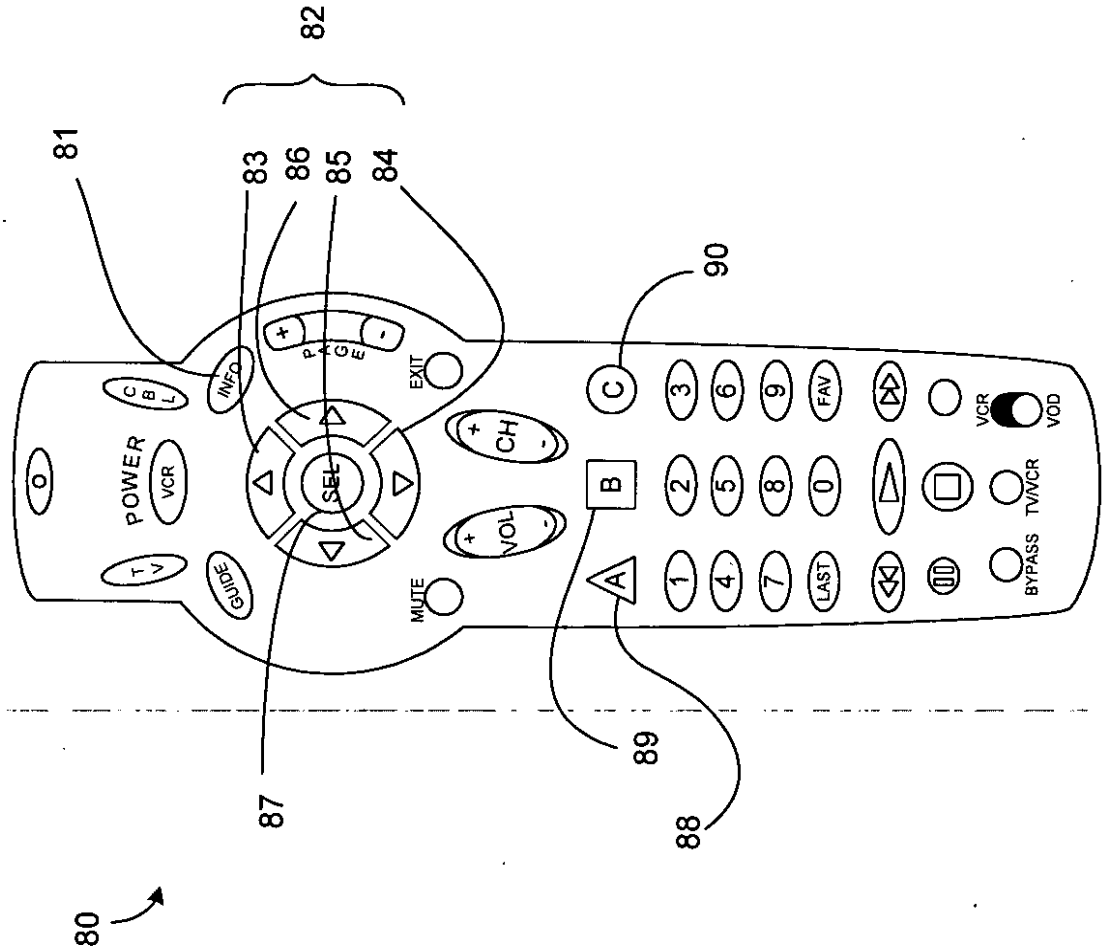
80
81
82
83
84
85
86
87
88
89
90
POWER
VCR
TV
CBL
GUIDE
INFO
SEL
PAGE
EXIT
CH
VOL
MUTE
A
B
C
FAV
LAST
VCR
VOD
TV/VCR
BYPASS

FIG. 4

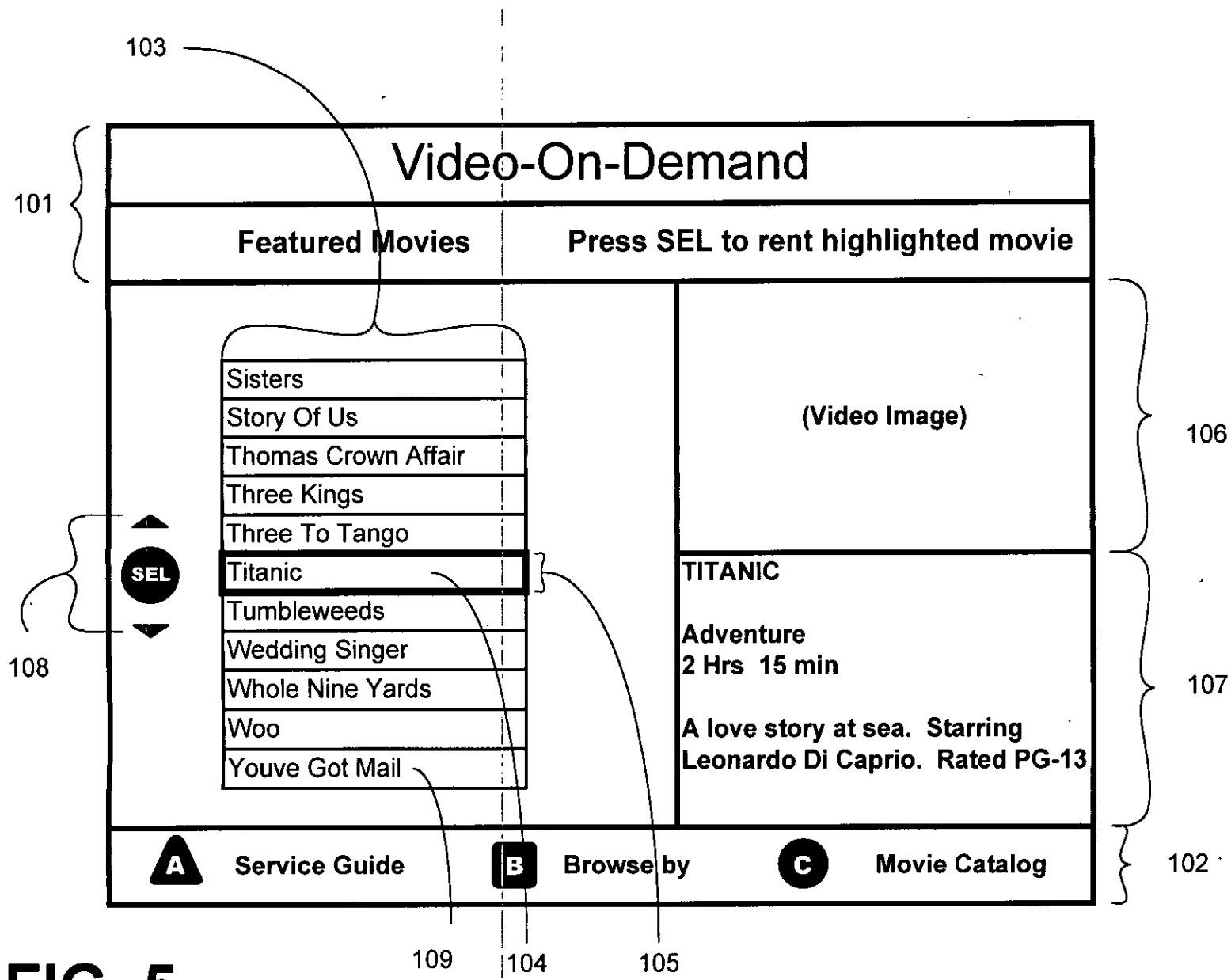
100
103
Video-On-Demand
101
Featured Movies
Press SEL to rent highlighted movie
Sisters
Story Of Us
Thomas Crown Affair
Three Kings
Three To Tango
Titanic
Tumbleweeds
Wedding Singer
Whole Nine Yards
Woo
Youve Got Mail
SEL
108
(Video Image)
106
TITANIC
Adventure
2 Hrs 15 min
A love story at sea. Starring
Leonardo Di Caprio. Rated PG-13
107
A Service Guide
B Browse by
C Movie Catalog
102
109
104
105

FIG. 5

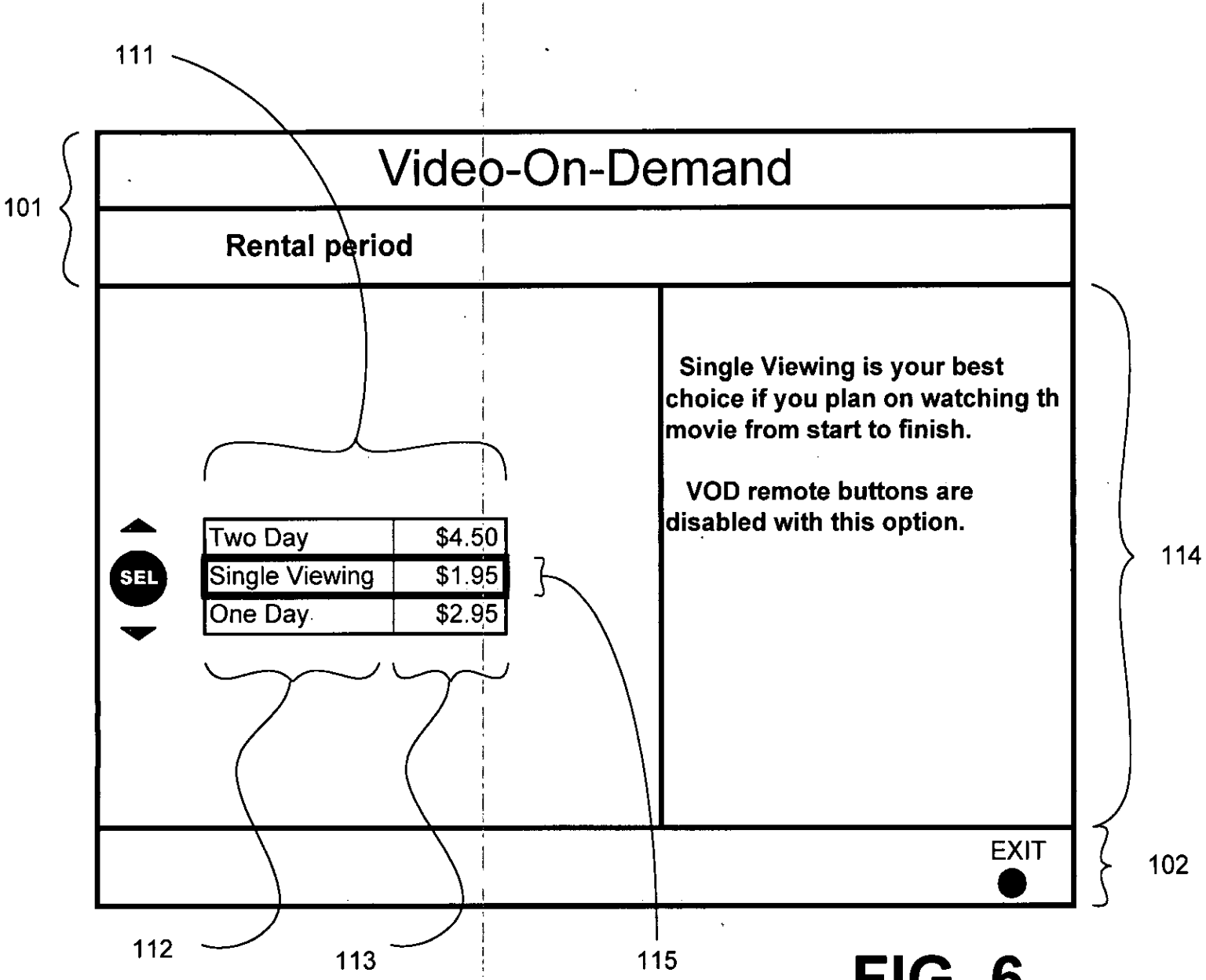
110
111
Video-On-Demand
101
Rental period
Single Viewing is your best choice if you plan on watching th movie from start to finish.
VOD remote buttons are disabled with this option.
SEL
Two Day $4.50
Single Viewing $1.95
One Day $2.95
114
EXIT
102
112
113
115

FIG. 6

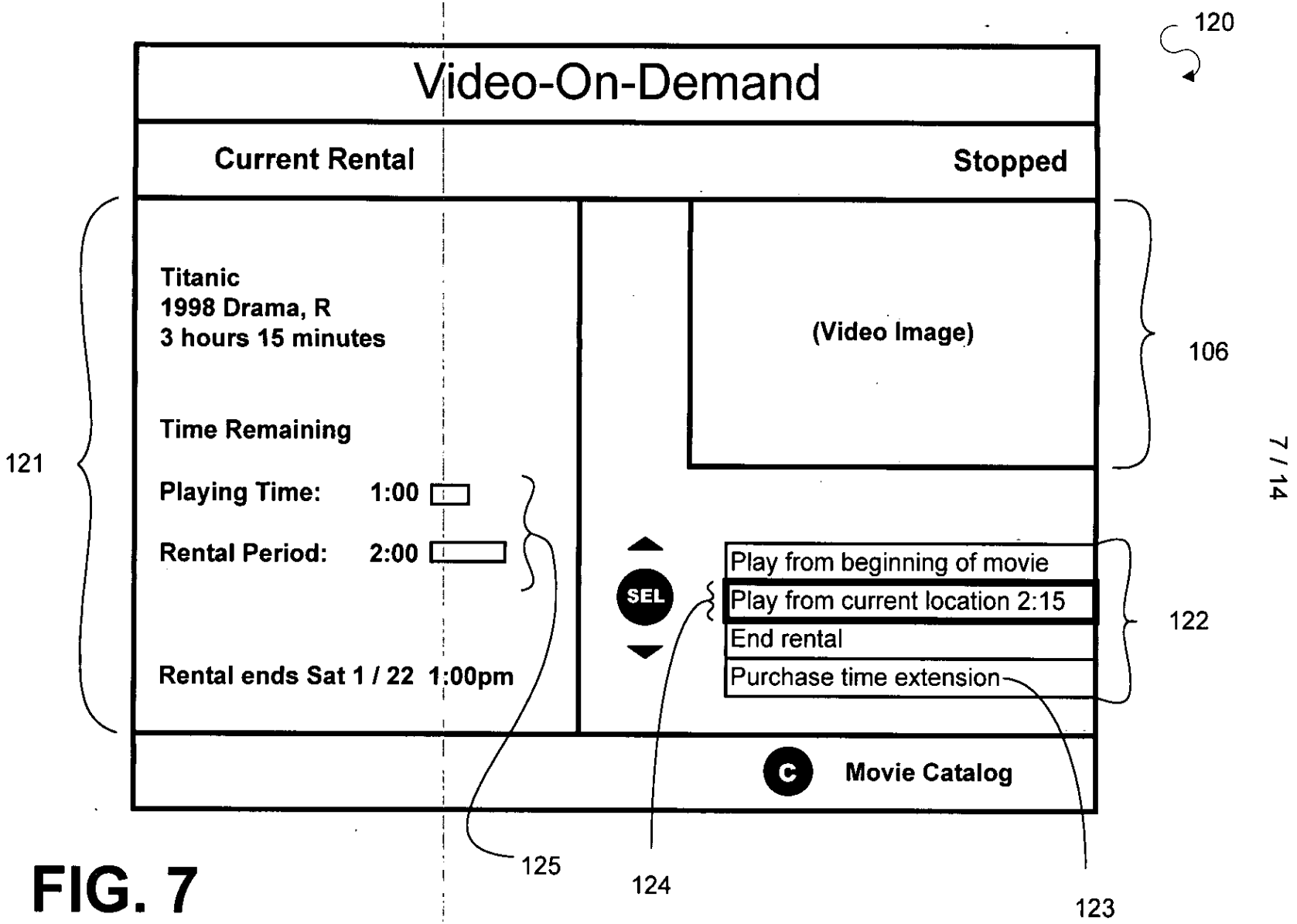
120
Video-On-Demand
Current Rental
Stopped
Titanic
1998 Drama, R
3 hours 15 minutes
Time Remaining
Playing Time: 1:00
Rental Period: 2:00
Rental ends Sat 1 / 22 1:00pm
(Video Image)
106
121
SEL
Play from beginning of movie
Play from current location 2:15
End rental
Purchase time extension
122
C
Movie Catalog
125
124
123

FIG. 7

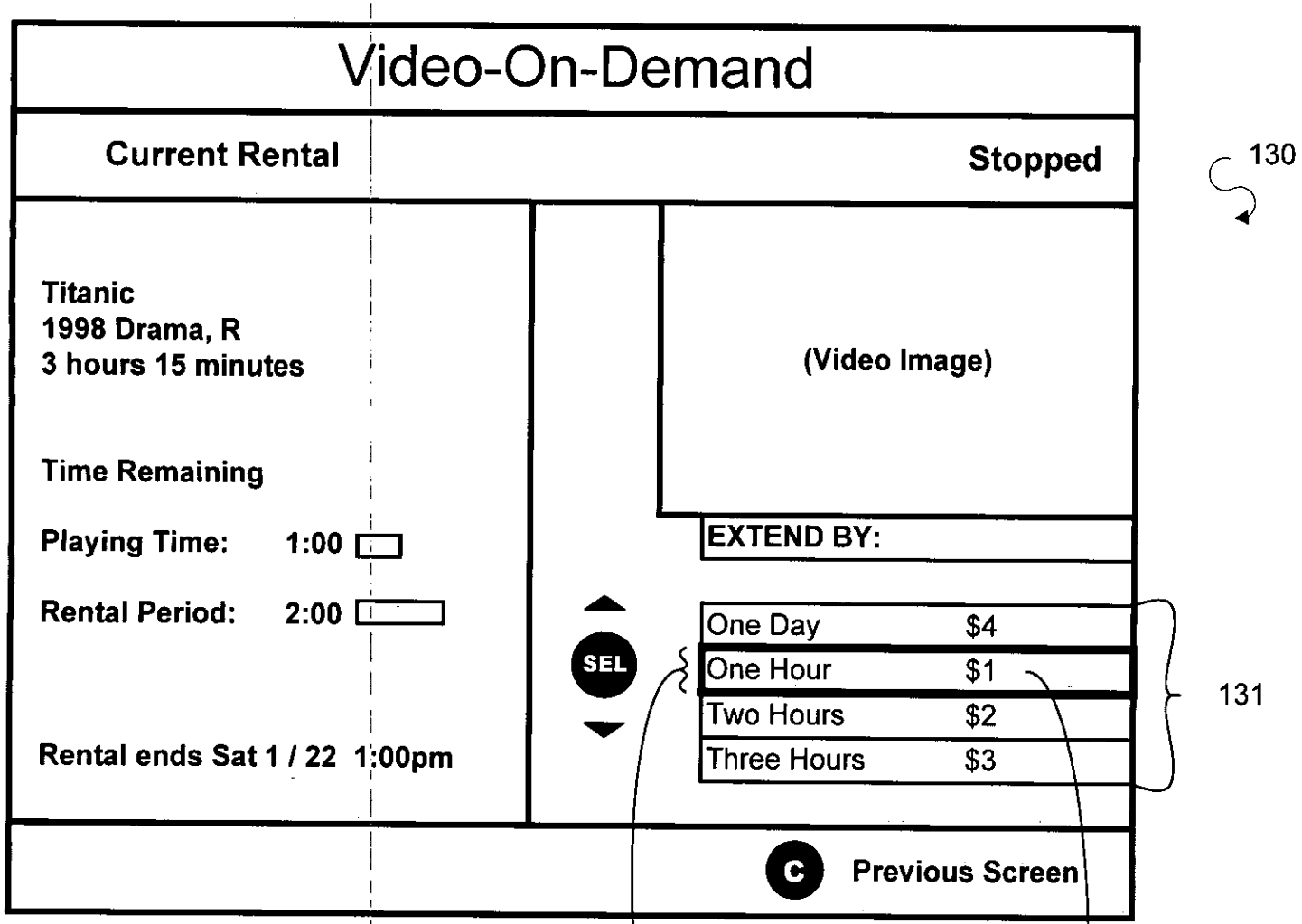
Video-On-Demand
Current Rental
Stopped
130
Titanic
1998 Drama, R
3 hours 15 minutes
(Video Image)
Time Remaining
121
Playing Time: 1:00
EXTEND BY:
Rental Period: 2:00
SEL
One Day $4
One Hour $1
Two Hours $2
Three Hours $3
131
Rental ends Sat 1 / 22 1:00pm
C Previous Screen
133
132

FIG. 8

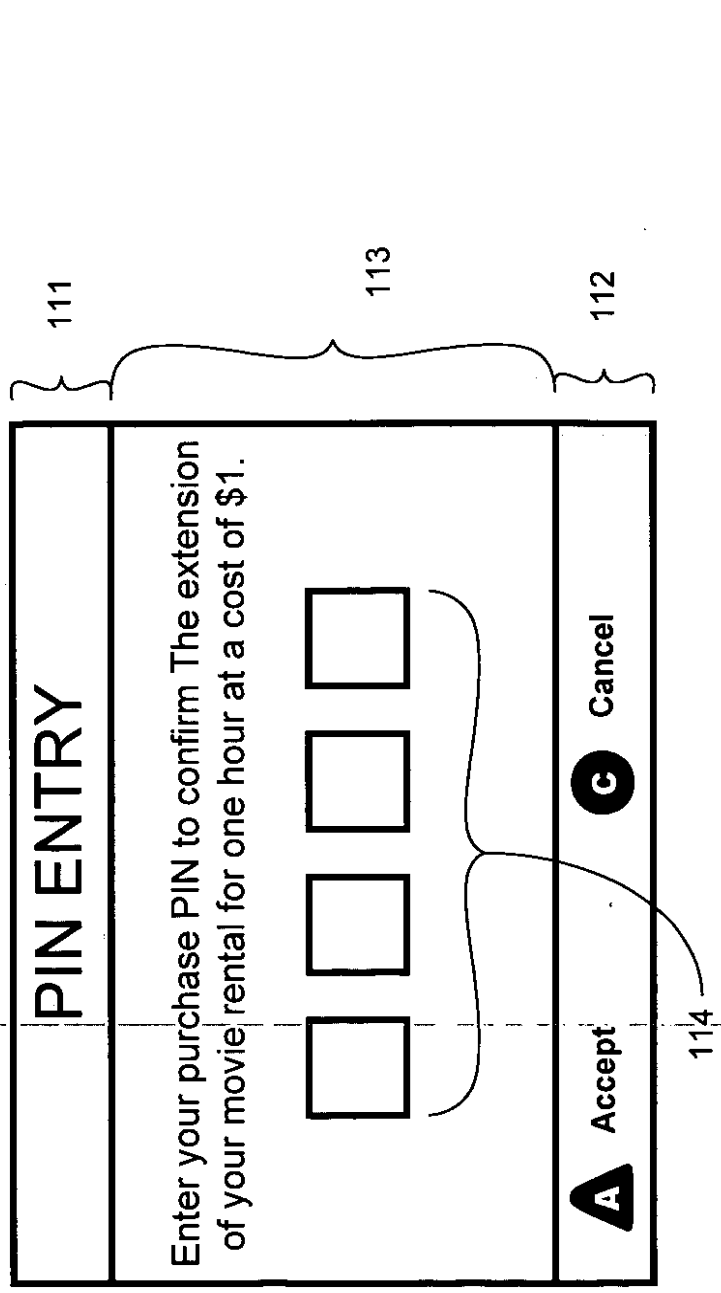
140
111
113
112
PIN ENTRY
Enter your purchase PIN to confirm The extension of your movie rental for one hour at a cost of $1.
A Accept
C Cancel
114

FIG. 9

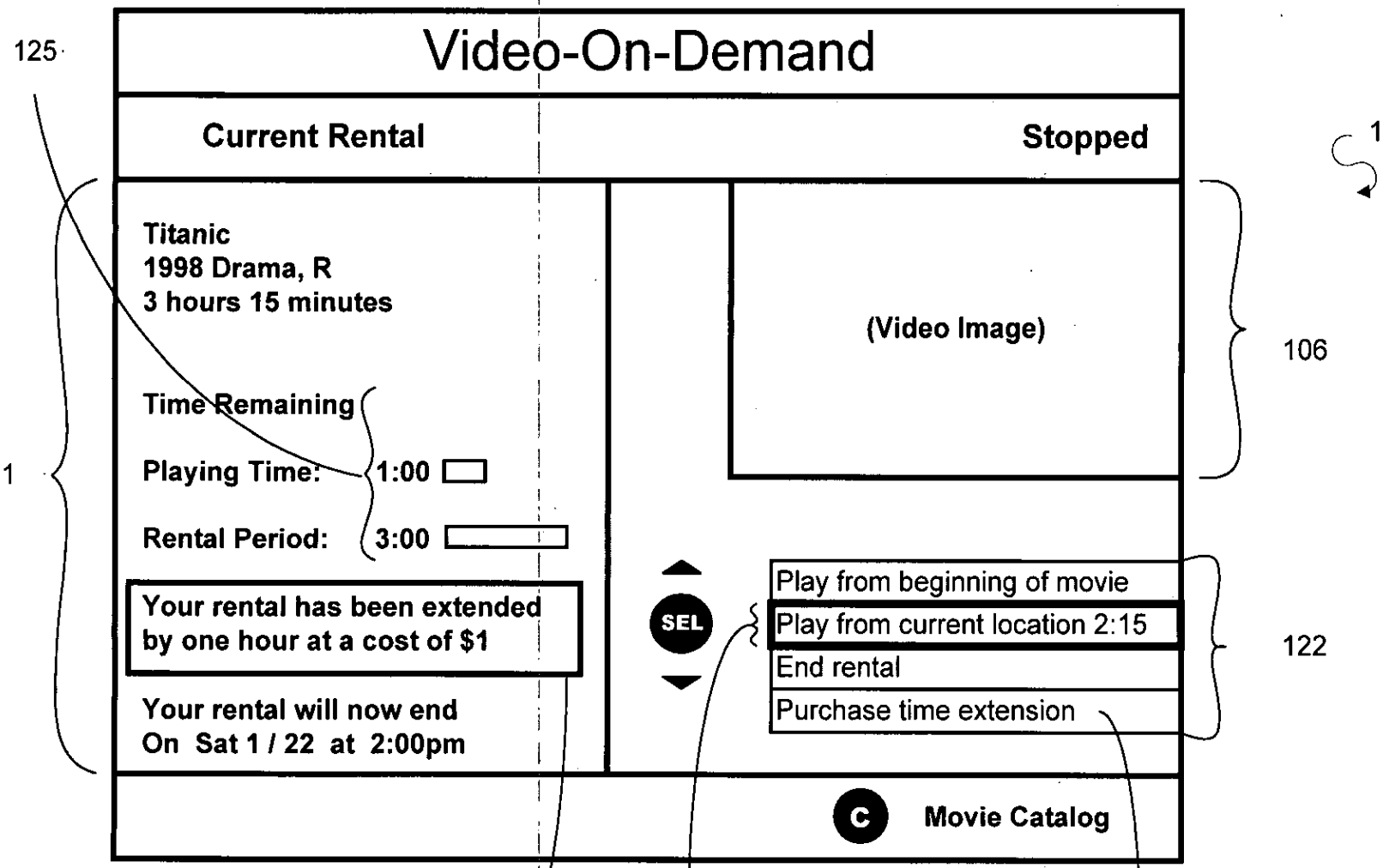
Video-On-Demand
Current Rental
Stopped
Titanic
1998 Drama, R
3 hours 15 minutes
(Video Image)
Time Remaining
Playing Time: 1:00
Rental Period: 3:00
Your rental has been extended by one hour at a cost of $1
Your rental will now end On Sat 1 / 22 at 2:00pm
SEL
Play from beginning of movie
Play from current location 2:15
End rental
Purchase time extension
C
Movie Catalog
125
150
106
121
122
151
124
123

FIG. 10

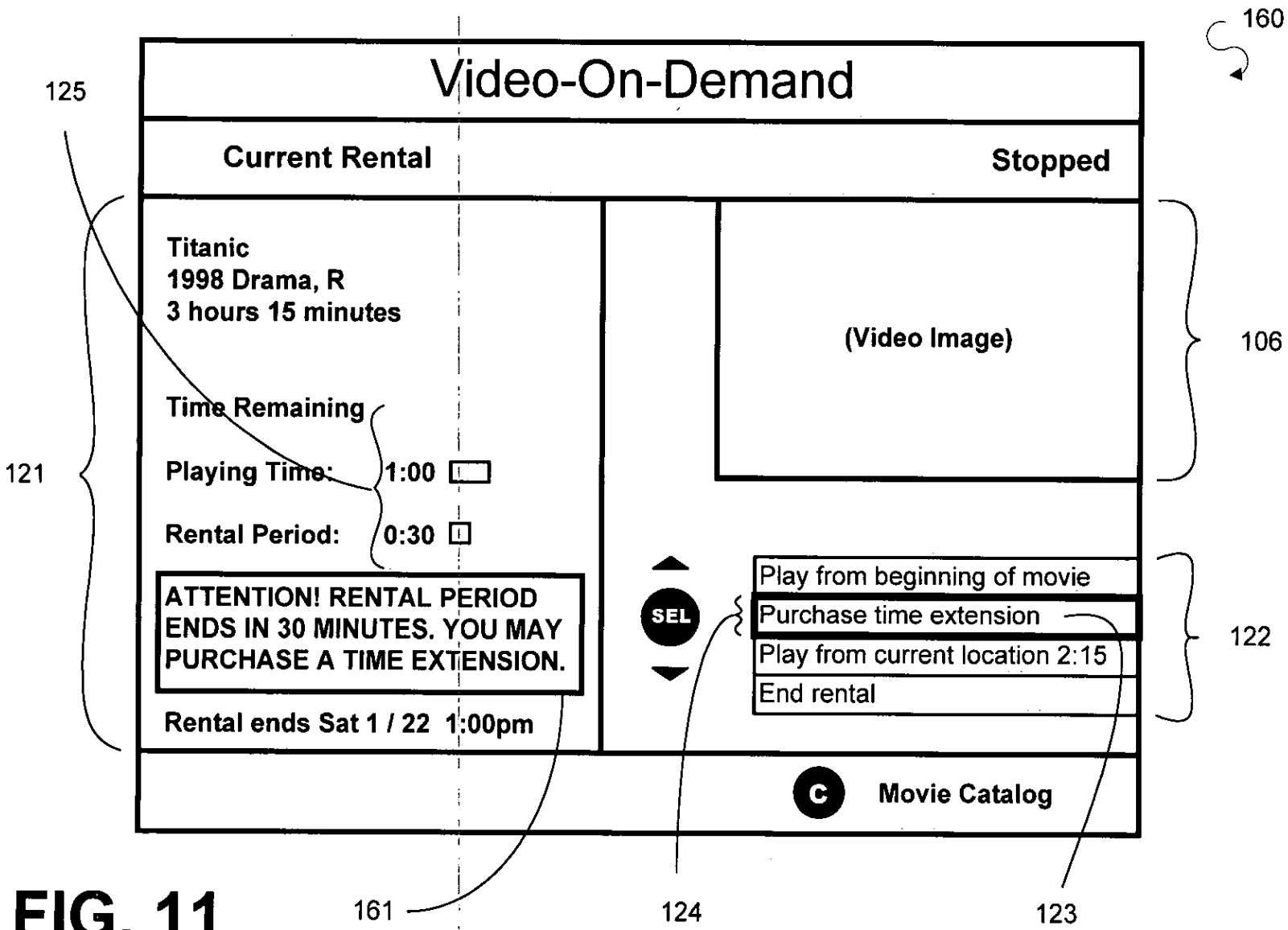
Video-On-Demand
Current Rental
Stopped
Titanic
1998 Drama, R
3 hours 15 minutes
(Video Image)
Time Remaining
Playing Time: 1:00
Rental Period: 0:30
ATTENTION! RENTAL PERIOD ENDS IN 30 MINUTES. YOU MAY PURCHASE A TIME EXTENSION.
Rental ends Sat 1 / 22 1:00pm
SEL
Play from beginning of movie
Purchase time extension
Play from current location 2:15
End rental
C
Movie Catalog
125
160
121
106
122
161
124
123

FIG. 11

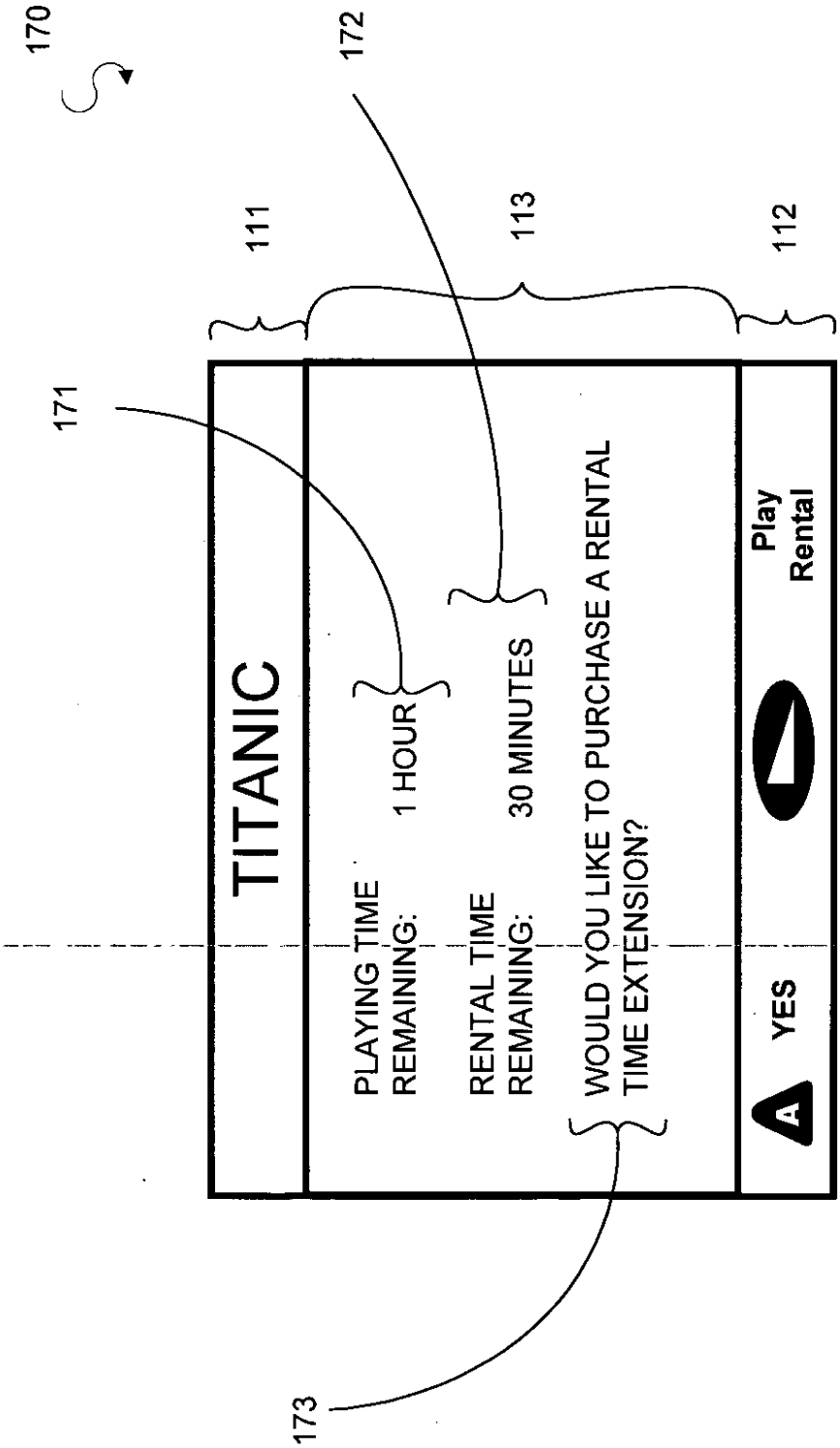
170
172
111
113
112
171
TITANIC
PLAYING TIME REMAINING: 1 HOUR
RENTAL TIME REMAINING: 30 MINUTES
WOULD YOU LIKE TO PURCHASE A RENTAL TIME EXTENSION?
A YES
Play Rental
173

FIG. 12

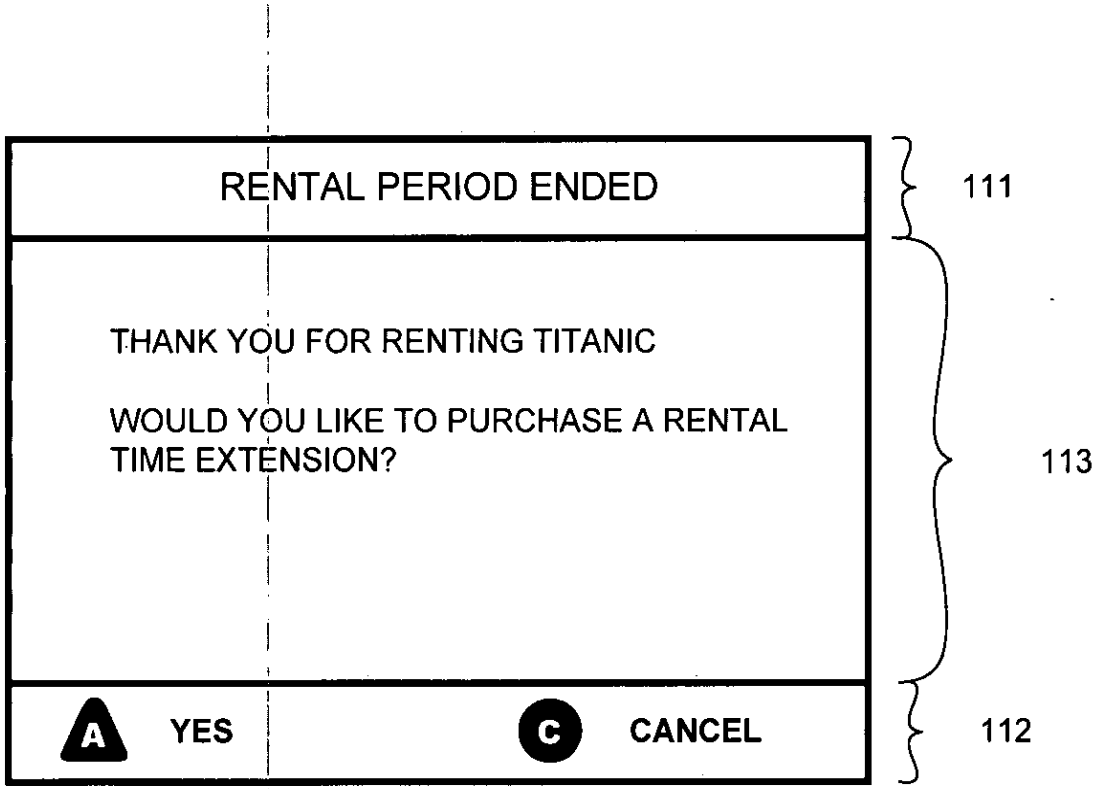
180
RENTAL PERIOD ENDED
111
THANK YOU FOR RENTING TITANIC
WOULD YOU LIKE TO PURCHASE A RENTAL TIME EXTENSION?
113
A YES
C CANCEL
112

FIG. 13

RENTAL EXTENSION CONTROL MENU

190

Make Rental Extensions Available To Users:

- ☐ YES
- ☐ NO

Provide Users With:

- ☐ Rental Time Expiration Barker
- ☐ Limited Time Warning Barker

Price Charged For Rental Extension:

- ☐ Make Prices Variable Based On Supply And Demand
- ☐ Set Pre-determined Prices As Follows:

$_____ Per Hour

$_____ Per Day

FIG. 14